

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-12 14:16:38

Date of Next Testing: 2029-03-11 14:16:38

Product Name: **D-Valine**

CAS Number: 640-68-6

Specifications & Purity: $\geq 98\%$

Lot #: F2108192

SKU #: **V101067**

Version: **0**

Analysis #: **478893**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	11.7-12.2 (%)	11.80000 %
Carbon by Elemental Analysis	50.2-52.3 (%)	51.20000 %
Purity(HPLC)	98-100 (%)	99.90000 %
Specific Rotation $[\alpha]_{20/D(c=8 \text{ in } 6M \text{ HCl})}$	-29--26 (°)	-26.26000 °
Appearance (V101067)	White to Almost White Powder to Crystals and/or Chunks or Flakes	White to Almost White Powder to Crystals and/or Chunks or Flakes
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear to slightly hazy(50mg/ml)	pass	Pass



John Su
QA & QC Manager